

USE OF PREPRINT SERVERS FOR ENVIRONMENTAL MANAGEMENT SCIENCE PROGRAM (EMSP)

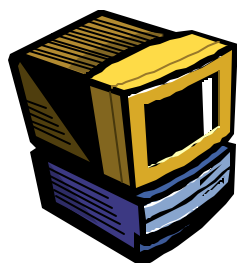
Report

Submitted to

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USE OF PREPRINT SERVERS FOR ENVIRONMENTAL MANAGEMENT SCIENCE PROGRAM (EMSP) *Report*

I.0 INTRODUCTION

This report was produced by Information International Associates (IIa) in response to Contract Number DE-AD05-99OR51830. Under this contract, IIa prepared and distributed a questionnaire to the Environmental Management Science Program (EMSP) research community on the use of preprint servers (PPS) for the Office of Science and Risk Policy (EM52), Environmental Management Science Program.

2.0 SCOPE

The scope of this project was to develop a questionnaire for an electronic canvassing of the EMSP research community to determine their interest and willingness to participate in an Environmental Management Science Preprint Service (EMSP PPS). The questionnaire was to include questions regarding information on the journals of greatest interests to the Principal Investigators (PI), both on what they value and where they publish. The instrument was to be in the form of a short questionnaire for transmission to all PIs via email. Results were to be analyzed and presented in an analytical report.

3.0 BACKGROUND

A "preprint" is a document that is distributed before or outside a "formal" publication process. A "preprint server" is an Internet-based system that provides access to a collection of preprints for authors in one or more subject domains. Preprints enable rapid dissemination of research and provide a forum for the discussion of research findings.

The number of preprint servers have grown since the first major server, the theoretical high-energy physics server (HEP-T) was established at Los Alamos National Laboratory (LANL) in 1991. The majority of the preprint servers are hosted by universities or university departments to highlight the work of their faculty and the research programs of the university. Preprint servers are also available from international organizations, not-for-profit research institutes, and government organizations (with use restrictions). There are a few preprint servers hosted by publishers. Those that exist are by the publication arms of learned societies.

One of the major issues impacting the development and use of preprint servers is the positions of publishers on the issue of preprints and whether or not they would be willing to subsequently publish a paper that has been disseminated on the Internet prior to submission. Additional research is needed to determine if the key publishers in the MSP arena are willing to accept articles that have been previously distributed via a preprint server or if they are amenable to special, innovative arrangements. ¹

¹ Hodge, Gail. "A Preprint Server for Environmental Management Science Program." September 1, 1998.

4.0 QUESTIONNAIRE

The questionnaire that Ila developed had 4 questions:

1. Do you currently provide reports to or participate in any preprint servers?
Yes or No.
2. List three (3) journals that you find the most helpful for locating information in your field.
3. Where do you publish the results of your research?
4. Would you be willing to provide input for the Environmental Management Science Preprint Server? Yes or No.

A complete copy of the email sent to the PIs can be found in Attachment 1.

Notes

1. Some respondents entered other answers for question 4 such as "maybe", "depends" and comments. These alternative answers and comments will be discussed later in this report in Attachment 8.
2. A reminder to the questionnaire was sent out to those Principal Investigators who did not respond to the initial questionnaire. Question 1 was amended in this questionnaire to, "Do you currently provide reports to or participate in any preprint servers?" Yes or No. If yes, which one (s)? None of the PIs who responded currently participates in a preprint server.
3. In a few cases, questions 1, 2 or 3 were not answered
4. Some respondents provided more than 3 journals for question 2.
5. Twelve of the journals that were mentioned as either "helpful" or "published" could not be located in any of the following sources: *Ulrich's International Periodicals Directory 1999*, *Publications in Engineering* or the Library of Congress Online Catalog. These journals have an "unable to locate" notation in the publishers field in the journal authority file. The journal authority file can be found in Attachment 5

Assumptions

1. If a respondent did not answer question 4, the default answer was set to "maybe".

5.0 RESPONSES TO QUESTIONNAIRE

5.1 Demographics

OSTI provided a list of 395 Principal Investigators to Ila. Ila sent the questionnaire to each of the 395 Principal Investigators via email. A complete listing of the Principal Investigators can be found in Attachment 2. One week after the initial email was sent, Ila sent a reminder to the Principal Investigators who had not yet responded.

Of the 395 questionnaires sent to Principal Investigators, 10 of the email messages were sent back as undeliverable. Five responses were received from email addresses that were not on the list of Principal Investigators provided by OSTI. We assume that these responses had been forwarded by the PI on the list to an associate familiar with his or

her work or that the PI relocated. These responses have been included in the demographics and were categorized as educational organizations. The five responses came from the following locations.

- Atmospheric Radioactivity Lab
- Louis Stokes Department of Veterans Affairs Medical Center
- Department of Earth Sciences at the University of Southern California
- University of California at San Diego
- Department of Electrical and Computer Engineering at the University of Illinois at Urbana-Champaign.

Out of the 395 questionnaires sent out, Ila received responses from 216 PIs (55%). In order to tabulate the data from the responses, responses were broken down into domains which are based on email address extensions (i.e. com, edu, gov, etc.). The break down of the number of questionnaires sent to each domain is in Table 1. Table 2 contains the breakdown of the number of organizations that responded with their associated responses.

Table 1. Questionnaires Sent by Domain

<u>Domain (Organizational Type)</u>	<u>Total # of Questionnaires Sent</u>	<u>% of Total Questionnaires</u>
Education (.edu)	200	51%
Government (.gov)	188	48%
International (.cad, .caf and .czn)	5	1% (1)
Commercial (.com)	2	1% (1)
Total	395	100%

(1) Rounding Anomaly

Table 2. Organizations within Domains Queried

<u>Domain (Organizational Type)</u>	<u>Total # of Locations Queried</u>	<u>% of Total Queries</u>	<u># of Organizations that Responded</u>	<u>% Responded</u>
Education	200	51%	71	36%
Government	188	48%	18	10%
International	5	1%	3	60%
Commercial	2	1%	1	50%
Total	395		93	

Responses regarding a PIs willingness to use an EMSP PPS are in Table 3. A full listing of organizations and their willingness to participate can be found in Attachment 3.

Table 3. Respondents Willingness to Provide Input to an EMSP PPS

<u>Organizational Type</u>	<u>% of Total Responses</u>			<u>% of Total Responses Not</u>		<u>% of Total Responses</u>
	<u>Yes</u>	<u>Willing (2)</u>	<u>No</u>	<u>Willing (2)</u>	<u>Maybe</u>	<u>Unsure (2)</u>
Educational	79	37%	29	13%	7	3%
Government	58	27%	25	12%	14	6%
International	2	1%	1	0%	0	0% (1)
Commercial	1	0%	0	0%	0	0% (1)
Total Responses	140	65%	55	25%	21	10% (1)

(1) Rounding Anomaly

(2) Total n=216

It is interesting to note that the majority (65%) of the respondents are willing to provide input to an EMSP PPS. Of that number, educational organizations had the largest percent of willing participants (37%). This large number of pro-EMSP PPS responses could reflect a willingness that results from the fact that the majority of preprint servers are hosted by universities. University respondents may be more familiar with preprint communications and as a result, more comfortable with this form of communication than other organizational types.

5.2 Journal Findings

Respondents provided a total of 287 journals that they cited as being either "helpful" or "published". Respondents ranked the following 10 journals as among the "most helpful" for locating information in their field (see table 4). A full listing of Journal Names and the number of respondents who indicated that a journal is helpful to their research can be found in the Attachment 4. Attachment 5 contains a full journal listing by title and Attachment 6 contains a full journal listing by publisher.

Table 4. Helpful Journals

<u>Journal</u>	<u>Publisher</u>	<u># of Times Cited</u>	<u>% of Respondents</u>
Environmental Science & Technology	ACS	48	22%
Journal of the American Chemical Society	ACS	26	12%
Geochimica et Cosmochimica	Elsevier Science	23	11%
Water Resources Research	AM Geophysical Union	19	9%
Analytical Chemistry	ACS	18	8%
Journal of Physical Chemistry	ACS	17	8%
Applied and Environmental Microbiology	AM Soc for Microbiol	16	7%
Inorganic Chemistry	ACS	15	7%
Journal of Contaminant Hydrology	Elsevier Science	13	6%
Geophysics	John Hyden	12	6%
Total Responses to top 10 journals		207	96%

Table 5 contains a list of the 10 journals in which articles were most frequently published.

Table 5. Published Journals

<u>Journal</u>	<u>Publisher</u>	<u># of Times Cited</u>	<u>% of Total Citations</u>
Environmental Science & Technology	ACS	41	19%
Journal of the American Chemical Society	ACS	23	11%
Journal of Physical Chemistry	ACS	22	10%
Geochimica et Cosmochimica	Elsevier Science	21	10%
Analytical Chemistry	ACS	20	9%
Inorganic Chemistry	ACS	17	8%
Water Resources Research	AM Geophysical Union	15	7%
Applied and Environmental Microbiology	AM Soc for Microbiol	14	6%
Journal of Contaminant Hydrology	Elsevier Science	11	5%
Geophysics	John Hyden	10	5%
Total Responses to top 10 journals		194	90%

A full listing of Journal Names and the number of respondents who indicated that they published in that journal can be found in the Attachment 7. It is interesting to note that there is a total overlap of the top 10 journals for both "helpful" and "published", although the order of priority differs slightly. This data is significant because it reinforces on two different dimensions which journals are considered the most important in the field.

5.3 Publisher Findings

The top 10 publishers of journals ranked as both "helpful" and "published" are listed in Table 6.

Table 6. Top 10 Publishers

<u>Publisher</u>	<u># of Journals</u>	<u>% of Total Journals</u>
Elsevier Science	55	19%
American Chemical Society	20	7%
Kluwer Academic	7	3%
American Institute of Physics	9	3%
North Holland	7	2%
American Geophysical Union	5	2%
American Society for Microbiology	2	1%
Academic Press	8	3%
Marcel Dekker	5	2%
John Hyden	1	0%
Total	119	41%

A complete listing of publishers and rankings can be found in the Attachment 7. This analysis of publishers is useful in that it provides data on which publishers are the most important to this field. This data indicates which publishers the EMSP may want to

contact to learn what the publisher's preprint policies are, since these publishers account for the majority of journals. Publisher's preprint policies may have a direct impact on the EMSP PPS Principal Investigators ability to publish if they participate in an EMPS PPS. This assumption is highlighted in the comments given in Attachment 8.

5.4 Comments

Thirty-nine respondents added comments to their questionnaires. Of those respondents 17 responded "no" to the question, "Would you be willing to provide input to an EMSP PPS?" 13 answered "maybe" and 9 answered "yes. Many of the comments mention several concerns. This data has been broken down into "categories" of concerns with each category of concern having an associated category number.

Table 7. Categories of Concerns

<u>Category #</u>	<u>Categories of Concerns</u>	<u>Number of Times Cited</u>
1	Creating Problems with Publishing	18
2	Intellectual Property Rights	8
3	Ease of Use/Creation	5
4	Subject Coverage	3
5	Scientific Quality/Peer Review	10
6	Security Issues	1
7	Alternatives	6
8	Need more Information	5

A list of all the comments is included in Attachment 8. The biggest concern voiced in the comments was about potential publishing issues: would a publisher consider a preprint as previously published and intellectual property rights. These concerns should be addressed by determining publisher's policies on preprints. The issue of scientific quality and peer review was the second most significant concern, but much less cited. The alternative category is interesting because a number of respondents suggested considering reprints.

6.0 CONCLUSIONS

The data gathered from the questionnaires indicate a strong willingness to provide input to an EMSP PPS, with the most interest coming from educational institutions. A strong correlation was found between the "helpful" journals and the "published" journals in with the top 10 the same in both categories. As a result of these journal findings, a priority list of publishers resulted. The biggest concern voiced by respondents was about the impact preprints would have on the publication process. This issue can be addressed by contacting the publishers to find out what their preprint policy is.

7.0 RECOMMENDATIONS

Based on the positive responses to the survey, it is clear that the EMSP has a green light to pursue the idea further. However, the single most important concern as indicated from the PIs comments and as cited in studies about preprint servers is publisher's preprint policies and the issues of priority in publishing. The fact of these comments is

perhaps more significant because comments were not requested on the questionnaire. This sets up a major caution light and it is highly recommended that this issue be dealt with directly and in more depth before any major investment is made to proceed with a preprint server. EMSP should ensure that the majority of authors do understand the implications of "publishing" on a preprint server for some publishers. In fact one respondent made this point specifically. The priority list of publishers that could be contacted would be based on the statistics in Table 6.

8.0 ATTACHMENTS

Attachment 1.....Questionnaire
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Attachment 1

The U.S. Department of Energy (DOE) is considering the development of an Environmental Management Science Preprint Server. Please provide your input by answering the questions below and returning to me no later than 5/12/99.

A preprint is a document that is distributed prior to the formal publication process. A preprint server is an Internet-based system that provides access to a collection of preprints by authors in particular subject domains. Preprints enable rapid dissemination of research and provide a forum for the discussion of research findings.

Please email your responses to me by 5/12/99. Thank you.

1. Do you currently provide reports to or participate in any preprint servers?

Yes []

No []

2. Please name three (3) journals that you find the most helpful for locating information in your field.

3. Where do you publish the results of your research?

4. Would you be willing to provide input for the Environmental Management Science Preprint Server?

Yes []

No []

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Responses Cross Tab

Domain	Organization	Yes	No	Maybe	Total
caf	University of Toronto	0	1	0	1
cak	University of British Columbia	1	0	0	1
com	Rockwell International Corporation	1	0	0	1
czn	Czech Academy of Sciences	1	0	0	1
edu	Alabama A&M University	1	0	0	1
	Arizona State University	1	0	0	1
	atmospheric radioactivity lab	1	0	0	1
	Boston College	1	0	0	1
	California Institute of Technology	1	1	0	2
	Colorado State University	0	1	0	1
	Columbia University	1	0	0	1
	Dartmouth College	0	1	0	1
	Florida International University	1	0	0	1
	Florida State University	1	0	0	1
	Furman University	1	0	0	1
	Georgetown University	1	0	0	1
	Georgia Institute of Technology	2	0	0	2
	Johns Hopkins University Applied Physics Lab	1	0	0	1
	LBNL	2	1	0	3
	louis stokes department of veterans affairs hospital	1	0	0	1
	Loyola University , Chicago	0	1	0	1
	Massachusetts Institute of Technology	0	1	0	1
	Michigan State University	0	1	0	1
	Mississippi State University	1	0	0	1
	Montana State University, Bozeman	0	1	0	1

Domain	Organization	Yes	No	Maybe	Total
edu	New Mexico Institute of Mining & Technology	1	0	0	1
	New Mexico State University	3	0	0	3
	Ohio State University	2	0	0	2
	Oregon State University	3	1	0	4
	Pennsylvania State University	4	0	0	4
	Princeton University	1	0	0	1
	Purdue University	1	0	0	1
	Rice University	2	0	0	2
	Rutgers, the State University of New Jersey	2	0	0	2
	Savannah River Ecology Laboratory	1	0	1	2
	Scripps Research Institute	0	1	0	1
	South Carolina Universities Research and Education Found.	1	0	0	1
	Stanford University	1	1	1	3
	State University of New York at Stony Brook	1	0	0	1
	Syracuse University	0	0	1	1
	Tennessee Technological University	0	0	1	1
	Texas A&M	1	0	0	1
	Texas A&M University	0	1	0	1
	UCSD	0	0	1	1
	University of Alabama	1	0	0	1
	University of California at Berkeley	1	1	0	2
	University of California at Davis	2	1	0	3
	University of California at Riverside	1	1	0	2
	University of California at San Francisco	2	0	0	2
	University of Cincinnati	1	0	0	1
	University of Colorado	1	0	0	1

Domain	Organization	Yes	No	Maybe	Total
edu	University of Delaware	1	0	0	1
	University of Hawaii, Manoa	1	0	0	1
	University of Idaho	2	0	0	2
	University of Illinois at Urbana-Champaign	1	2	0	3
	University of Kansas	3	1	0	4
	University of Maryland at Baltimore	1	0	0	1
	University of Maryland at College Park	1	0	0	1
	University of Michigan	1	0	1	2
	University of Missouri-Rolla	0	0	1	1
	University of New Mexico	0	1	0	1
	University of North Texas	1	0	0	1
	University of Notre Dame	2	2	0	4
	University of Oklahoma	0	1	0	1
	University of Pennsylvania	2	0	0	2
	University of Southern California	1	0	0	1
	University of South Carolina	1	2	0	3
	University of Tennessee	3	0	0	3
	University of Texas at Austin	2	1	0	3
	University of Vermont	0	1	0	1
	University of Washington	2	2	0	4
	Vanderbilt University	1	0	0	1
	Washington State University	2	0	0	2
	Washington University	0	1	0	1
	Woods Hole Oceanographic Institute	1	0	0	1
gov	ANL	6	3	0	9
	BNL	1	2	0	3

Domain	Organization	Yes	No	Maybe	Total
gov	Environmental Protection Agency	0	0	1	1
	INEEL	1	0	2	3
	LANL	3	4	1	8
	LBNL	7	2	2	11
	LLNL	2	1	0	3
	National Renewable Energy Laboratory	1	0	0	1
	NIST - Boulder	1	1	0	2
	NIST - Maryland	2	0	1	3
	ORNL	10	3	2	15
	ORNL / Univ of Tenn	1	0	0	1
	PNNL	15	6	5	26
	Savannah River Technology Center	1	1	0	2
	SNL	3	2	0	5
	United States Geological Survey	1	0	0	1
mil	Naval Research Laboratory	2	0	0	2
net	University of Massachusetts at Lowell	1	0	0	1
org	Lovelace Biomedical & Environmental Research Inst	1	0	0	1
Totals:		141	55	21	217

Attachment 4

Helpful Journals

Journal	Count
Environmental Science & Technology	48
Journal of the American Chemical Society	26
Geochimica et Cosmochimica Acta	23
Water Resources Research	19
Analytical Chemistry	18
Journal of Physical Chemistry	17
Applied and Environmental Microbiology	16
Inorganic Chemistry	15
Journal of Contaminant Hydrology	13
Geophysics	12
Journal of Chemical Physics	9
Radiochimica Acta	9
Science	9
Journal of Colloid and Interface Science	8
Journal of Geophysical Research	8
Journal of the Electrochemical Society	8
Nuclear Instruments and Methods in Physics Research	8
Soil Science Society of America Journal	8
Journal of Materials Research	7
Journal of Non-Crystalline Solids	7
Solvent Extraction and Ion Exchange	7
American Institute of Chemical Engineers Journal	6
Chemistry of Materials	6
Ground Water	6
Industrial and Engineering Chemistry Research	6
Journal of Nuclear Materials	6
Journal of Organic Chemistry	6
Applied Physics Letter	5
Applied Spectroscopy	5
Journal American Ceramic Society	5
Journal of Bacteriology	5

Journal

Count

Journal	Count
Journal of Environmental Quality	5
Journal of Fluid Mechanics	5
Langmuir	5
Sensors and Actuators	5
Surface Science	5
Combustion and Flame	4
Journal of Applied Physics	4
Journal of Rheology	4
Nature	4
Physical Review B	4
Proceedings of the National Academy of Sciences	4
Separation Science and Technology	4
American Mineralogist	3
Corrosion	3
Corrosion Science	3
Fluid Phase Equilibria	3
Geophysical Research Letters	3
Health Physics	3
IEEE Transactions on Nuclear Science	3
Journal of Biological Chemistry	3
Journal of Electroanalytical Chemistry	3
Journal of Environmental and Engineering Geophysics	3
Journal of Inorganic Chemistry	3
Macromolecules	3
Microbial Ecology	3
Microbiology	3
Physics and Chemistry of Glass	3
Physics of Fluids	3
Plant Physiology	3
Spectrochimica Acta B	3
Toxicological Sciences	3
Ultrasonic Sonochemistry	3
Aerosol Science and Technology	2

Journal	Count
Angewandte Chemie	2
Biodegradation	2
Chemical Communications	2
Chemical Research in Toxicology	2
Clays and Clay Minerals	2
Combustion Science and Technology	2
Electroanalysis	2
Environmental Health Perspectives	2
Geophysical Journal International	2
IEEE Transactions on Geoscience and Remote Sensing	2
International Journal of Heat and Mass Transfer	2
International Journal of Thermophysics	2
Journal of Analytical Atomic Spectroscopy	2
Journal of Catalysis	2
Journal of Chemical and Engineering Data	2
Journal of Chemical Thermodynamics	2
Journal of Chromatography	2
Journal of Environmental Radioactivity	2
Journal of Heat Transfer	2
Journal of Magnetic Resonance	2
Journal of Non-Newtonian Fluid Mechanics	2
Journal of Radioanalytical and Nuclear Chemistry	2
Journal of the American Ceramic Society	2
Journal of the American Society of Mass Spectromet	2
Journal of the Chemical Society, Dalton Trans	2
Materials Research Bulletin	2
Nuclear Technology	2
Physical Review Letters	2
Polyhedron	2
Protein Engineering	2
Radiation Protection Dosimetry	2
Rapid Communication in Mass Spectrometry	2
Tetrahedron Letters	2

Journal	Count
Toxicology and Applied Pharmacology	2
Water Research	2
Acoustical Society of America Journal	1
Acta Crystallographica	1
Advanced Materials	1
Advances in Materials Chemistry	1
Advances in Water Resources	1
American Journal of Physiology	1
Analyst	1
Analytica Chimica Acta	1
Applied Catalysis A	1
Applied Environmental Biotechnology	1
Applied Optics	1
Archives of Environmental Contamination and Toxicology	1
Archives of Environmental Health	1
Astrophysical Journal	1
Biofouling	1
Biotechnology and Bioengineering	1
Biotechnology Progress	1
Blood	1
Bulletin of the Seismological Society of America	1
Canadian Mineralogist	1
Cancer Research	1
Catalysis Letters	1
Cell	1
Chemical Engineering	1
Chemical Engineering Science	1
Chemical Geology	1
Chemical Physics Letters	1
Circulation	1
Deep-Sea Research	1
Drug Metabolism and Disposition	1
Earth & Planetary Science	1

Journal	Count
Electrochimica Acta	1
Electrophoresis	1
Enzyme Microbial Technology	1
ESPL	1
European Journal of Chemistry	1
Experimental Fluid Mechanics	1
Geoderma	1
Geomicrobiology Journal	1
Geophysical Prospecting	1
Glass Science and Technology	1
Glass Technology	1
Hazardous Waste & Hazardous Materials	1
ICALEO	1
IEC Research and Development	1
IEEE Electron Device Letters	1
IEEE Transactions on Antennas and Propagation	1
International Journal for Multiphase Flow	1
International Journal of Mass Spectrometry & Ion	1
Journal American Water Works Association	1
Journal of Aerosol Science	1
Journal of Agricultural and Food Chemistry	1
Journal of Applied Electrochemistry	1
Journal of Applied Geophysics	1
Journal of Applied Polymer Science	1
Journal of Applied Spectroscopy	1
Journal of Chromatography A	1
Journal of Colloid and Surface Science	1
Journal of Environmental Engineering	1
Journal of Fluids Engineering	1
Journal of Health Physics	1
Journal of Hydrology	1
Journal of Immunological Methods	1
Journal of Inclusion Phenomena	1

Journal	Count
Journal of Industrial Microbiology and Biotechnolo	1
Journal of Liquid Chromatography & Related Tech	1
Journal of Medicinal Chemistry	1
Journal of Metals	1
Journal of Molecular Biology	1
Journal of Photochemistry and Photobiology A-Chem	1
Journal of Physical Chemistry B	1
Journal of Solid State Chemistry	1
Journal of Solution Chemistry	1
Journal of Supercritical Fluids	1
Journal of the Air & Waste Management Association	1
Journal of the American Vacuum Society	1
Journal of the Chemical Society-Chemical Comm	1
Journal of the Chemical Society-Perkins Trans	1
Journal of Toxicology and Environmental Health	1
Journal of Vacuum Science and Technology	1
Journal Process Control	1
Landscape Ecology	1
Leukemia	1
Metallurgical Transactions	1
Microporous and Mesoporous Materials	1
Molecular Microbiology	1
Molecular Pharmacology	1
Nature Biotechnology	1
Nature Structural Biology	1
Nuclear Science and Engineering	1
Optics Letters	1
Pharmaceutical Research	1
Physical Review	1
Plant Cell	1
Plant Journal	1
Power Magazine	1
Progress in Energy and Combustion Science	1

Journal	Count
Protein Science	1
Radiation Research	1
Radio Science	1
Reactive and Functional Polymers	1
Rheologica Acta	1
Risk Analysis	1
Science News	1
Science of the Total Environment	1
Surface and Interface Analysis	1
Tetrahedron	1
The Leading Edge	1
Toxicology	1
Waste Management	1
Water Resources	1

Journal	Publisher
Acoustical Society of America Journal	American Institute of Physics
Acta Crystallographica	Munksgaard International Publishers
Advanced Materials	Wiley
Advances in Materials Chemistry	Unable to locate
Advances in Water Resources	Elsevier Science
Aerosol Science and Technology	Elsevier Science
American Chemical Society Abstracts	American Chemical Society
American Chemical Society Symposium Series	American Chemical Society
American Institute of Chemical Engineers Journal	American Institute of Chemical Engineers
American Journal of Physiology	American Physiological Society
American Journal of Science	Yale University Kline Geology Laboratory
American Mineralogist	Mineralogical Society of America
Analyst	Thomas Graham House
Analytica Chimica Acta	Elsevier Science
Analytical Chemistry	American Chemical Society
Analytical Communications	The Royal Society of Chemistry
Angewandte Chemie	Wiley
Application of Geophysics to Engineering and Envir	Unable to locate
Applied and Environmental Microbiology	American Society for Microbiology
Applied Biochemistry and Biotechnology	Humana Press
Applied Catalysis A	Elsevier Science
Applied Environmental Biotechnology	Plenum Publishing
Applied Geochemistry	Elsevier Science
Applied Optics	Optical Society of America
Applied Physics Letter	American Institute of Physics
Applied Physics Letter-Thin Solid Films	American Institute of Physics
Applied Science	SIRS Science
Applied Spectroscopy	Society for Applied Spectroscopy
Applied Surface Science	North Holland
Archives of Biochemistry and Biophysics	Academic Press
Archives of Environmental Contamination and Toxic	Springer-Verlag
Archives of Environmental Health	Heldref Publications
Archives of Microbiology	Springer-Verlag

Astrophysical Journal	American Astronomical Society
Biochemistry	American Chemical Society
Biodegradation	Kluwer Academic Publishers
Biofouling	Gordon & Breach-Harwood Academic
Biotechnology and Bioengineering	John Wiley & Sons
Biotechnology Letters	Kluwer Academic and Lippincott-Raven
Biotechnology Progress	American Institute of Chemical Engineers
Blood	WB Saunders
Bulletin of the Seismological Society of America	Seismological Society of America
Canadian Mineralogist	Mineralogical Association of Canada
Cancer Research	American Association of Cancer Research
Catalysis Letters	Baltzer Science Publishers
Cell	Cell Press
Ceramic Transactions	American Ceramic Society
Ceramics	SK Press (Czech)
Chemical Communications	The Royal Society of Chemistry
Chemical Engineering	McGraw-Hill Companies
Chemical Engineering Science	Elsevier Science
Chemical Geology	Elsevier Science
Chemical Physics Letters	North Holland
Chemical Research in Toxicology	American Chemical Society
Chemistry of Materials	American Chemical Society
Circulation	Lippincott Williams & Wilkins
Circulation Research	Lippincott Williams & Wilkins
Clays and Clay Minerals	Clay Minerals Society
Combustion and Flame	Elsevier Science
Combustion Science and Technology	Gordon & Breach-Harwood Academic
Communications in Soil Science and Plant Analysis	Marcel Dekker Journals
Conference Proceedings from the Electrochemical So	Electrochemical Society
Conference Proceedings of NACE International	National Association of Corrosion Engineers
Corrosion	National Association of Corrosion Engineers
Corrosion Science	Elsevier Science
Deep-Sea Research	Elsevier Science

Drug Metabolism and Disposition	Am Society for Pharmacology and Experimental
Earth & Planetary Science	Elsevier Science
Ecological Modeling	Elsevier Science
Electroanalysis	Wiley
Electrochimica Acta	Pergamon Press
Electromagnetics	Taylor and Francis
Electrophoresis	Wiley
EMBO Journal	Oxford University Press
Environmental Health Perspectives	National Institute of Environmental Health Science
Environmental Science & Technology	American Chemical Society
Environmental Toxicology and Chemistry	Society of Environmental Toxicology and Chemistry
Enzyme Microbial Technology	Elsevier Science
ESPL	Unable to locate
European Journal of Chemistry	Unable to locate
European Journal of Mineralogy	Deutsche Mineralogische Gesellschaft
Experimental Fluid Mechanics	Unable to locate
Extremophiles	Springer-Verlag
FEBS Letters	Elsevier Science
Fluid Phase Equilibria	Elsevier Science
Gene	Elsevier Science
Genetics	Genetics Society of America
Geochimica et Cosmochimica Acta	Elsevier Science
Geoderma	Elsevier Science
Geology	Geological Society of America
Geomicrobiology Journal	Taylor and Francis
Geophysical Journal International	Blackwell Science
Geophysical Prospecting	Blackwell Science
Geophysical Research Letters	American Geophysical Union
Geophysics	John Hyden
Geophysics Journal International	Unable to locate
Glass Science and Technology	Deutsche Glastechnische Gesellschaft
Glass Technology	Society of Glass Technology
Ground Penetrating Radar Symposium Proceedings	Soc of Eng and Mineral Exploration

Ground Water	Ground Water Publishing Co.
Hazardous Waste & Hazardous Materials	Mary Ann Liebert, Inc.
Health Physics	Williams & Wilkins
Heterocycles	Japan Institute of Heterocyclic Chemistry
ICALEO	Unable to locate
IEC Research and Development	Unable to locate
IEEE Antennas and Propagation Magazine	Institute for Electrical & Electronics Eng
IEEE Electron Device Letters	Institute for Electrical & Electronics Eng
IEEE Transactions on Antennas and Propagation	Institute for Electrical & Electronics Eng
IEEE Transactions on Geoscience and Remote Sensing	Institute for Electrical & Electronics Eng
IEEE Transactions on Nuclear Science	Institute for Electrical & Electronics Eng
Industrial and Engineering Chemistry Research	American Chemical Society
Inorganic Chemistry	American Chemical Society
Inorganica Chimica Acta	Elsevier Science
International Journal for Multiphase Flow	Elsevier Science
International Journal of Heat and Mass Transfer	Elsevier Science
International Journal of Mass Spectrometry & Ion	Elsevier Science
International Journal of Thermophysics	Plenum Publishing
International Symposium on Combustion	Combustion Institute
J Chem Tech Biotech	Unable to locate
JASCE-Environmental Eng. Dive.	Unable to locate
Journal American Ceramic Society	American Ceramic Society
Journal American Water Works Association	American Water Works Association
Journal of Aerosol Science	Elsevier Science
Journal of Agricultural and Food Chemistry	American Chemical Society
Journal of Air and Waste Management	Air and Waste Management Association
Journal of Alloys and Compounds	Elsevier Science
Journal of Analytical Atomic Spectroscopy	Royal Society of Chemistry
Journal of Applied Electrochemistry	International Society of Electrochemistry
Journal of Applied Geophysics	Elsevier Science
Journal of Applied Mechanics-Trans. of the ASME	American Society of Mechanical Engineers
Journal of Applied Physics	American Institute of Physics
Journal of Applied Polymer Science	John Wiley & Sons

Journal of Applied Spectroscopy	Plenum Publishing
Journal of Bacteriology	American Society for Microbiology
Journal of Biochemical and Toxicology	John Wiley & Sons
Journal of Biological Chemistry	American Society for Biochemistry & Molecular Biol
Journal of Catalysis	Academic Press
Journal of Chemical and Engineering Data	American Chemical Society
Journal of Chemical Crystallography	Plenum Publishing
Journal of Chemical Physics	American Institute of Physics
Journal of Chemical Thermodynamics	Academic Press
Journal of Chromatographic Science	Preston Publications
Journal of Chromatography	Elsevier Science
Journal of Chromatography A	Variant of Journal of Chromatography
Journal of Colloid and Interface Science	Academic Press
Journal of Colloid and Surface Science	Unable to locate
Journal of Contaminant Hydrology	Elsevier Science
Journal of Electroanalytical Chemistry	Elsevier Science
Journal of Electroceramics	Kluwer Academic Publishers
Journal of Electromagnetic Waves and Applications	VSP
Journal of Environmental and Engineering Geophysic	Environmental & Engineering Society
Journal of Environmental Engineering	American Society of Civil Engineers
Journal of Environmental Quality	American Society of Agronomy
Journal of Environmental Radioactivity	Elsevier Science
Journal of Fluid Mechanics	Cambridge University Press
Journal of Fluids Engineering	American Society of Mechanical Engineers
Journal of Geophysical Research	American Geophysical Union
Journal of Hazardous Materials	Elsevier Science
Journal of Health Physics	Unable to locate
Journal of Heat Transfer	American Society of Mechanical Engineers
Journal of Heterocyclic Chemistry	HeteroCorporations
Journal of Hydrology	Elsevier Science
Journal of Immunological Methods	Elsevier Science
Journal of Immunology	American Association of Immunologists
Journal of Inclusion Phenomena	Kluwer Academic Publishers

Journal of Industrial Microbiology and Biotechnolo	Society for Industrial Microbiology
Journal of Inorganic Chemistry	Chinese Chemical Society
Journal of Liquid Chromatography & Related Tech	Marcel Dekker Journals
Journal of Magnetic Resonance	Williams & Wilkins
Journal of Materials Research	Materials Research Society
Journal of Materials Research and Glass Technology	Separate
Journal of Materials Science	Kluwer Academic and Lippincott-Raven
Journal of Medicinal Chemistry	American Chemical Society
Journal of Metals	American Society of Metals
Journal of Microbiological Methods	Elsevier Science
Journal of Molecular Biology	Academic Press
Journal of Non-Crystalline Solids	North Holland
Journal of Non-Newtonian Fluid Mechanics	Elsevier Science
Journal of Nuclear Materials	North Holland
Journal of Organic Chemistry	American Chemical Society
Journal of Pharmacology and Experimental Therapeut	American Society of Pharmacological and
Journal of Photochemistry and Photobiology A-Chem	Elsevier Science
Journal of Physical Chemistry	American Chemical Society
Journal of Physical Chemistry B	American Chemical Society
Journal of Radioanalytical and Nuclear Chemistry	Elsevier Science
Journal of Rheology	American Institute of Physics
Journal of Solid State Chemistry	Academic Press
Journal of Solution Chemistry	Plenum Publishing
Journal of Supercritical Fluids	Elsevier Science
Journal of Synchrotron Radiation	Munksgaard International Publishers
Journal of the Air & Waste Management Association	Air and Waste Management Association
Journal of the American Ceramic Society	American Ceramic Society
Journal of the American Chemical Society	American Chemical Society
Journal of the American Society of Mass Spectromet	Elsevier Science
Journal of the American Vacuum Society	American Vacuum Society
Journal of the Chemical Society, Dalton Trans	Royal Society of Chemistry
Journal of the Chemical Society-Chemical Comm	Royal Society of Chemistry
Journal of the Chemical Society-Perkins Trans	Royal Society of Chemistry

Journal of the Electrochemical Society	Electrochemical Society
Journal of Toxicology and Environmental Health	Taylor and Francis
Journal of Vacuum Science and Technology	American Institute of Physics
Journal Process Control	Elsevier Science
Landscape Ecology	Kluwer Academic Publishers
Langmuir	American Chemical Society
Leukemia	Stockton Press
Macromolecules	American Chemical Society
Materials Research Bulletin	Elsevier Science
Metallurgical Transactions	ASM International Metals Information
Microbial Ecology	Springer-Verlag
Microbiology	Society for General Microbiology
Microporous and Mesoporous Materials	Elsevier Science
Mineralogical Magazine	Mineralogical Society (Great Britain)
Molecular and Cellular Biochemistry	Kluwer Academic Publishers
Molecular Microbiology	Blackwell Science
Molecular Pharmacology	American Society for Pharmacological and
Nature	Macmillan Magazines
Nature Biotechnology	Nature Publishing
Nature Structural Biology	MacMillan Magazines
Nuclear Instruments and Methods in Physics Research	North Holland
Nuclear Science and Engineering	American Nuclear Society
Nuclear Technology	American Nuclear Society
Optics Letters	Optical Society of America
Organometallics	American Chemical Society
Pharmaceutical Research	Plenum Publishing
Physical Review	American Physical Society
Physical Review B	American Physical Society
Physical Review Letters	American Physical Society
Physics and Chemistry of Glass	Society of Glass Technology
Physics of Fluids	American Institute of Physics
Plant Cell	American Society of Plant Physiologist
Plant Journal	Blackwell Science

Plant Physiology	American Society of Plant Physiologist
Polyhedron	Elsevier Science
Polymer Preprints	American Chemical Society
Power Magazine	Broederna Lindstroems Foerlags
Proceedings from Electron Beam Melting Conference	Colloque International Soudage et Fusion
Proceedings of the American Ceramic Society	American Ceramic Society
Proceedings of the Materials Research Society	Materials Research Society
Proceedings of the National Academy of Sciences	National Academy of Science
Progress in Energy and Combustion Science	Elsevier Science
Protein Engineering	Oxford University Press
Protein Science	Cambridge University Press
Proteins: Structure, Function and Genetics	John Wiley & Sons
Radiation Physics and Chemistry	Elsevier Science
Radiation Protection Dosimetry	Nuclear Technology Publishing
Radiation Research	Carden Jennings Publishing
Radio Science	American Geophysical Union
Radiochimica Acta	Oldenbourg Verlag GmbH
Rapid Communication in Mass Spectrometry	John Wiley & Sons
Reactive and Functional Polymers	Elsevier Science
Review of Geophysics	American Geophysical Union
Review of Scientific Instruments	American Institute of Physics
Rheologica Acta	Springer-Verlag
Risk Analysis	Plenum Publishing
Science	American Society for the Advancement of Science
Science News	Science Service
Science of the Total Environment	Elsevier Science
Sedimentology	Blackwell Science
Sensors and Actuators	Society of Automotive Engineers
Separation Science and Technology	Marcel Dekker Journals
Soil Science Society of America Journal	Soil Science Society of America
Solvent Extraction and Ion Exchange	Marcel Dekker Journals
Spectrochimica Acta B	Elsevier Science
Structural Chemistry	Plenum Publishing

Super Alloys Conference Proceedings	Metallurgical Society of AIME
Surface and Interface Analysis	John Wiley & Sons
Surface Science	North Holland
Surface Science Letters	North Holland
Synlett	Georg Thieme Verlag
Synthetic Communications	Marcel Dekker Journals
Tectonophysics	Elsevier Science
Tetrahedron	Elsevier Science
Tetrahedron Letters	Elsevier Science
The Leading Edge	Society of Exploration Geophysicists
Thin Solid Films	Elsevier Science
Toxicological Sciences	Academic Press
Toxicology	Elsevier Science
Toxicology and Applied Pharmacology	Academic Press
Transducers	Institute for Electrical & Electronics Eng
Transport in Porous Media	Kluwer Academic Publishers
Ultrasonic Sonochemistry	Elsevier Science
Waste Management	Elsevier Science
Water Environment Research	Water Environmental Federation
Water Research	Elsevier Science
Water Resources	MAIK Nauka Interperiodica
Water Resources Research	American Geophysical Union
Water, Air and Soil Pollution	Kluwer Academic Publishers

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Journal	Publisher
Journal of Solid State Chemistry	Academic Press
Journal of Catalysis	Academic Press
Journal of Colloid and Interface Science	Academic Press
Toxicological Sciences	Academic Press
Toxicology and Applied Pharmacology	Academic Press
Archives of Biochemistry and Biophysics	Academic Press
Journal of Chemical Thermodynamics	Academic Press
Journal of Molecular Biology	Academic Press
Journal of the Air & Waste Management Association	Air and Waste Management Association
Journal of Air and Waste Management	Air and Waste Management Association
Drug Metabolism and Disposition	Am Society for Pharmacology and Experimental Thera
Cancer Research	American Association of Cancer Research
Journal of Immunology	American Association of Immunologists
Astrophysical Journal	American Astronomical Society
Journal American Ceramic Society	American Ceramic Society
Journal of the American Ceramic Society	American Ceramic Society
Ceramic Transactions	American Ceramic Society
Proceedings of the American Ceramic Society	American Ceramic Society
Analytical Chemistry	American Chemical Society
Chemical Research in Toxicology	American Chemical Society
Chemistry of Materials	American Chemical Society
Environmental Science & Technology	American Chemical Society
Inorganic Chemistry	American Chemical Society
Journal of Organic Chemistry	American Chemical Society
Journal of Physical Chemistry	American Chemical Society
Journal of the American Chemical Society	American Chemical Society
Langmuir	American Chemical Society
Industrial and Engineering Chemistry Research	American Chemical Society
Biochemistry	American Chemical Society
Macromolecules	American Chemical Society
Journal of Physical Chemistry B	American Chemical Society
Journal of Medicinal Chemistry	American Chemical Society
Organometallics	American Chemical Society
Journal of Chemical and Engineering Data	American Chemical Society
Journal of Agricultural and Food Chemistry	American Chemical Society
American Chemical Society Abstracts	American Chemical Society
Polymer Preprints	American Chemical Society
American Chemical Society Symposium Series	American Chemical Society

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Geophysical Research Letters	American Geophysical Union
Journal of Geophysical Research	American Geophysical Union
Water Resources Research	American Geophysical Union
Review of Geophysics	American Geophysical Union
Radio Science	American Geophysical Union
American Institute of Chemical Engineers Journal	American Institute of Chemical Engineers
Biotechnology Progress	American Institute of Chemical Engineers
Applied Physics Letter	American Institute of Physics
Applied Physics Letter-Thin Solid Films	American Institute of Physics
Journal of Rheology	American Institute of Physics
Journal of Chemical Physics	American Institute of Physics
Journal of Applied Physics	American Institute of Physics
Physics of Fluids	American Institute of Physics
Review of Scientific Instruments	American Institute of Physics
Acoustical Society of America Journal	American Institute of Physics
Journal of Vacuum Science and Technology	American Institute of Physics
Nuclear Technology	American Nuclear Society
Nuclear Science and Engineering	American Nuclear Society
Physical Review B	American Physical Society
Physical Review	American Physical Society
Physical Review Letters	American Physical Society
American Journal of Physiology	American Physiological Society
Journal of Biological Chemistry	American Society for Biochemistry & Molecular Biol
Applied and Environmental Microbiology	American Society for Microbiology
Journal of Bacteriology	American Society for Microbiology
Molecular Pharmacology	American Society for Pharmacological and Experimen
Science	American Society for the Advancement of Science
Journal of Environmental Quality	American Society of Agronomy
Journal of Environmental Engineering	American Society of Civil Engineers
Journal of Applied Mechanics-Trans. of the ASME	American Society of Mechanical Engineers
Journal of Fluids Engineering	American Society of Mechanical Engineers
Journal of Heat Transfer	American Society of Mechanical Engineers
Journal of Metals	American Society of Metals
Journal of Pharmacology and Experimental Therapeut	American Society of Pharmacological and Experiment
Plant Cell	American Society of Plant Physiologist
Plant Physiology	American Society of Plant Physiologist
Journal of the American Vacuum Society	American Vacuum Society
Journal American Water Works Association	American Water Works Association
Metallurgical Transactions	ASM International Metals Information

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Catalysis Letters	Baltzer Science Publishers
Sedimentology	Blackwell Science
Plant Journal	Blackwell Science
Geophysical Prospecting	Blackwell Science
Geophysical Journal International	Blackwell Science
Molecular Microbiology	Blackwell Science
Power Magazine	Broederna Lindstroems Foerlags
Journal of Fluid Mechanics	Cambridge University Press
Protein Science	Cambridge University Press
Radiation Research	Carden Jennings Publishing
Cell	Cell Press
Journal of Inorganic Chemistry	Chinese Chemical Society
Clays and Clay Minerals	Clay Minerals Society
Proceedings from Electron Beam Melting Conference	Colloque International Soudage et Fusion
International Symposium on Combustion	Combustion Institute
Glass Science and Technology	Deutsche Glastechnische Gesellschaft
European Journal of Mineralogy	Deutsche Mineralogische Gesellschaft
Conference Proceedings from the Electrochemical So	Electrochemical Society
Journal of the Electrochemical Society	Electrochemical Society
Radiation Physics and Chemistry	Elsevier Science
FEBS Letters	Elsevier Science
Advances in Water Resources	Elsevier Science
Analytica Chimica Acta	Elsevier Science
Applied Geochemistry	Elsevier Science
Chemical Engineering Science	Elsevier Science
Deep-Sea Research	Elsevier Science
Geochimica et Cosmochimica Acta	Elsevier Science
Inorganica Chimica Acta	Elsevier Science
International Journal of Heat and Mass Transfer	Elsevier Science
Journal of Chromatography	Elsevier Science
Journal of Contaminant Hydrology	Elsevier Science
Journal of Environmental Radioactivity	Elsevier Science
Journal of Microbiological Methods	Elsevier Science
Journal of Non-Newtonian Fluid Mechanics	Elsevier Science
Journal of Photochemistry and Photobiology A-Chem	Elsevier Science
Journal of Radioanalytical and Nuclear Chemistry	Elsevier Science
Polyhedron	Elsevier Science
Reactive and Functional Polymers	Elsevier Science
Materials Research Bulletin	Elsevier Science

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Toxicology	Elsevier Science
Water Research	Elsevier Science
Tetrahedron Letters	Elsevier Science
Journal of the American Society of Mass Spectromet	Elsevier Science
International Journal of Mass Spectrometry & Ion	Elsevier Science
Fluid Phase Equilibria	Elsevier Science
Journal of Supercritical Fluids	Elsevier Science
Waste Management	Elsevier Science
Journal of Hazardous Materials	Elsevier Science
Science of the Total Environment	Elsevier Science
Combustion and Flame	Elsevier Science
Gene	Elsevier Science
Progress in Energy and Combustion Science	Elsevier Science
Aerosol Science and Technology	Elsevier Science
Journal of Electroanalytical Chemistry	Elsevier Science
Corrosion Science	Elsevier Science
Tetrahedron	Elsevier Science
International Journal for Multiphase Flow	Elsevier Science
Journal of Hydrology	Elsevier Science
Tectonophysics	Elsevier Science
Applied Catalysis A	Elsevier Science
Journal Process Control	Elsevier Science
Spectrochimica Acta B	Elsevier Science
Enzyme Microbial Technology	Elsevier Science
Journal of Aerosol Science	Elsevier Science
Geoderma	Elsevier Science
Journal of Immunological Methods	Elsevier Science
Ecological Modeling	Elsevier Science
Ultrasonic Sonochemistry	Elsevier Science
Journal of Applied Geophysics	Elsevier Science
Journal of Alloys and Compounds	Elsevier Science
Microporous and Mesoporous Materials	Elsevier Science
Thin Solid Films	Elsevier Science
Earth & Planetary Science	Elsevier Science
Chemical Geology	Elsevier Science
Journal of Environmental and Engineering Geophysic	Environmental & Engineering Society
Genetics	Genetics Society of America
Geology	Geological Society of America
Synlett	Georg Thieme Verlag

Biofouling	Gordon & Breach-Harwood Academic
Combustion Science and Technology	Gordon & Breach-Harwood Academic
Ground Water	Ground Water Publishing Co.
Archives of Environmental Health	Heldref Publications
Journal of Heterocyclic Chemistry	HeteroCorporations
Applied Biochemistry and Biotechnology	Humana Press
IEEE Electron Device Letters	Institute for Electrical & Electronics Eng
Transducers	Institute for Electrical & Electronics Eng
IEEE Transactions on Nuclear Science	Institute for Electrical & Electronics Eng
IEEE Transactions on Geoscience and Remote Sensing	Institute for Electrical & Electronics Eng
IEEE Transactions on Antennas and Propagation	Institute for Electrical & Electronics Eng
IEEE Antennas and Propagation Magazine	Institute for Electrical & Electronics Eng
Journal of Applied Electrochemistry	International Society of Electrochemistry
Heterocycles	Japan Institute of Heterocyclic Chemistry
Geophysics	John Hyden
Rapid Communication in Mass Spectrometry	John Wiley & Sons
Biotechnology and Bioengineering	John Wiley & Sons
Proteins: Structure, Function and Genetics	John Wiley & Sons
Journal of Biochemical and Toxicology	John Wiley & Sons
Journal of Applied Polymer Science	John Wiley & Sons
Surface and Interface Analysis	John Wiley & Sons
Biotechnology Letters	Kluwer Academic and Lippincott-Raven
Journal of Materials Science	Kluwer Academic and Lippincott-Raven
Journal of Electroceramics	Kluwer Academic Publishers
Journal of Inclusion Phenomena	Kluwer Academic Publishers
Landscape Ecology	Kluwer Academic Publishers
Transport in Porous Media	Kluwer Academic Publishers
Biodegradation	Kluwer Academic Publishers
Molecular and Cellular Biochemistry	Kluwer Academic Publishers
Water, Air and Soil Pollution	Kluwer Academic Publishers
Circulation	Lippincott Williams & Wilkins
Circulation Research	Lippincott Williams & Wilkins
Nature	Macmillan Magazines
Nature Structural Biology	MacMillan Magazines
Water Resources	MAIK Nauka Interperiodica
Journal of Liquid Chromatography & Related Tech	Marcel Dekker Journals
Separation Science and Technology	Marcel Dekker Journals
Solvent Extraction and Ion Exchange	Marcel Dekker Journals
Synthetic Communications	Marcel Dekker Journals

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Communications in Soil Science and Plant Analysis	Marcel Dekker Journals
Hazardous Waste & Hazardous Materials	Mary Ann Liebert, Inc.
Journal of Materials Research	Materials Research Society
Proceedings of the Materials Research Society	Materials Research Society
Chemical Engineering	McGraw-Hill Companies
Super Alloys Conference Proceedings	Metallurgical Society of AIME
Canadian Mineralogist	Mineralogical Association of Canada
Mineralogical Magazine	Mineralogical Society (Great Britain)
American Mineralogist	Mineralogical Society of America
Acta Crystallographica	Munksgaard International Publishers
Journal of Synchrotron Radiation	Munksgaard International Publishers
Proceedings of the National Academy of Sciences	National Academy of Science
Conference Proceedings of NACE International	National Association of Corrosion Engineers
Corrosion	National Association of Corrosion Engineers
Environmental Health Perspectives	National Institute of Environmental Health Science
Nature Biotechnology	Nature Publishing
Journal of Non-Crystalline Solids	North Holland
Nuclear Instruments and Methods in Physics Research	North Holland
Surface Science	North Holland
Applied Surface Science	North Holland
Journal of Nuclear Materials	North Holland
Chemical Physics Letters	North Holland
Surface Science Letters	North Holland
Radiation Protection Dosimetry	Nuclear Technology Publishing
Radiochimica Acta	Oldenbourg Verlag GmbH
Applied Optics	Optical Society of America
Optics Letters	Optical Society of America
EMBO Journal	Oxford University Press
Protein Engineering	Oxford University Press
Electrochimica Acta	Pergamon Press
Journal of Chemical Crystallography	Plenum Publishing
Structural Chemistry	Plenum Publishing
Applied Environmental Biotechnology	Plenum Publishing
Journal of Applied Spectroscopy	Plenum Publishing
International Journal of Thermophysics	Plenum Publishing
Risk Analysis	Plenum Publishing
Pharmaceutical Research	Plenum Publishing
Journal of Solution Chemistry	Plenum Publishing
Journal of Chromatographic Science	Preston Publications

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Journal of the Chemical Society, Dalton Trans	Royal Society of Chemistry
Journal of the Chemical Society-Chemical Comm	Royal Society of Chemistry
Journal of the Chemical Society-Perkins Trans	Royal Society of Chemistry
Journal of Analytical Atomic Spectroscopy	Royal Society of Chemistry
Science News	Science Service
Bulletin of the Seismological Society of America	Seismological Society of America
Journal of Materials Research and Glass Technology	Separate
Applied Science	SIRS Science
Ceramics	SK Press (Czech)
Ground Penetrating Radar Symposium Proceedings	Soc of Eng and Mineral Exploration
Applied Spectroscopy	Society for Applied Spectroscopy
Microbiology	Society for General Microbiology
Journal of Industrial Microbiology and Biotechnolo	Society for Industrial Microbiology
Sensors and Actuators	Society of Automotive Engineers
Environmental Toxicology and Chemistry	Society of Environmental Toxicology and Chemistry
The Leading Edge	Society of Exploration Geophysicists
Physics and Chemistry of Glass	Society of Glass Technology
Glass Technology	Society of Glass Technology
Soil Science Society of America Journal	Soil Science Society of America
Microbial Ecology	Springer-Verlag
Rheologica Acta	Springer-Verlag
Archives of Environmental Contamination and Toxico	Springer-Verlag
Extremophiles	Springer-Verlag
Archives of Microbiology	Springer-Verlag
Leukemia	Stockton Press
Geomicrobiology Journal	Taylor and Francis
Journal of Toxicology and Environmental Health	Taylor and Francis
Electromagnetics	Taylor and Francis
Analytical Communications	The Royal Society of Chemistry
Chemical Communications	The Royal Society of Chemistry
Analyst	Thomas Graham House
European Journal of Chemistry	Unable to locate
ICALEO	Unable to locate
Experimental Fluid Mechanics	Unable to locate
JASCE-Environmental Eng. Dive.	Unable to locate
Journal of Colloid and Surface Science	Unable to locate
Journal of Health Physics	Unable to locate
ESPL	Unable to locate
Geophysics Journal International	Unable to locate

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Advances in Materials Chemistry	Unable to locate
J Chem Tech Biotech	Unable to locate
IEC Research and Development	Unable to locate
Application of Geophysics to Engineering and Envir	Unable to locate
Journal of Chromatography A	Variant of Journal of Chromatography
Journal of Electromagnetic Waves and Applications	VSP
Water Environment Research	Water Environmental Federation
Blood	WB Saunders
Angewandte Chemie	Wiley
Electrophoresis	Wiley
Electroanalysis	Wiley
Advanced Materials	Wiley
Health Physics	Williams & Wilkins
Journal of Magnetic Resonance	Williams & Wilkins
American Journal of Science	Yale University Kline Geology Laboratory

Attachment 7

Publishers Ranking

Publisher	Helpful	Published	Total
American Chemical Society	157	161	318
Elsevier Science	102	122	224
American Institute of Physics	27	31	58
North Holland	27	30	57
American Geophysical Union	31	25	56
American Society for Microbiology	21	19	40
Academic Press	19	17	36
Marcel Dekker Journals	12	18	30
John Hyden	12	10	22
American Physical Society	7	11	18
Oldenbourg Verlag GmbH	9	9	18
Plenum Publishing	7	11	18
American Ceramic Society	7	10	17
American Society for the Advancement of Science	9	7	16
Electrochemical Society	8	8	16
Royal Society of Chemistry	6	10	16
Soil Science Society of America	8	8	16
Unable to locate	8	8	16
Institute for Electrical & Electronics Eng	7	7	14
American Institute of Chemical Engineers	7	6	13
American Society of Agronomy	5	8	13
Kluwer Academic Publishers	4	9	13
Materials Research Society	7	6	13
Springer-Verlag	5	8	13
John Wiley & Sons	5	7	12
Wiley	6	6	12
Ground Water Publishing Co.	6	5	11
Macmillan Magazines	5	6	11
Blackwell Science	5	5	10
Cambridge University Press	6	4	10
National Academy of Science	4	6	10
Society of Automotive Engineers	5	5	10
Williams & Wilkins	5	4	9

Publisher	Helpful	Published	Total
American Society of Mechanical Engineers	3	5	8
American Society of Plant Physiologist	4	4	8
Society for Applied Spectroscopy	5	3	8
Gordon & Breach-Harwood Academic	3	4	7
Taylor and Francis	2	5	7
American Nuclear Society	3	3	6
Mineralogical Society of America	3	3	6
National Association of Corrosion Engineers	3	3	6
Society of Glass Technology	4	2	6
American Society for Biochemistry & Molecular Biol	3	2	5
American Society of Civil Engineers	1	4	5
Oxford University Press	2	3	5
The Royal Society of Chemistry	2	3	5
Chinese Chemical Society	3	1	4
Clay Minerals Society	2	2	4
Environmental & Engineering Society	3	1	4
National Institute of Environmental Health Science	2	2	4
Nuclear Technology Publishing	2	2	4
Optical Society of America	2	2	4
Society for General Microbiology	3	1	4
Air and Waste Management Association	1	2	3
Am Society for Pharmacology and Experimental Thera	1	2	3
Carden Jennings Publishing	1	2	3
Mineralogical Association of Canada	1	2	3
Munksgaard International Publishers	1	2	3
Seismological Society of America	1	2	3
Thomas Graham House	1	2	3
American Physiological Society	1	1	2
American Society for Pharmacological and Experimen	1	1	2
American Society of Metals	1	1	2
American Vacuum Society	1	1	2
American Water Works Association	1	1	2
ASM International Metals Information	1	1	2
Baltzer Science Publishers	1	1	2
Combustion Institute	0	2	2
Deutsche Glastechnische Gesellschaft	1	1	2

Publisher	Helpful	Published	Total
Heldref Publications	1	1	2
International Society of Electrochemistry	1	1	2
Kluwer Academic and Lippincott-Raven	0	2	2
MAIK Nauka Interperiodica	1	1	2
McGraw-Hill Companies	1	1	2
Nature Publishing	1	1	2
Pergamon Press	1	1	2
Society of Exploration Geophysicists	1	1	2
Stockton Press	1	1	2
WB Saunders	1	1	2
American Association of Cancer Research	1	0	1
American Association of Immunologists	0	1	1
American Astronomical Society	1	0	1
American Society of Pharmacological and Experiment	0	1	1
Broederna Lindstroems Foerlags	1	0	1
Cell Press	1	0	1
Colloque International Soudage et Fusion	0	1	1
Deutsche Mineralogische Gesellschaft	0	1	1
Genetics Society of America	0	1	1
Geological Society of America	0	1	1
Georg Thieme Verlag	0	1	1
HeteroCorporations	0	1	1
Humana Press	0	1	1
Japan Institute of Heterocyclic Chemistry	0	1	1
Lippincott Williams & Wilkins	1	0	1
Mary Ann Liebert, Inc.	1	0	1
Metallurgical Society of AIME	0	1	1
Mineralogical Society (Great Britain)	0	1	1
Preston Publications	0	1	1
Science Service	1	0	1
Separate	0	1	1
SIRS Science	0	1	1
SK Press (Czech)	0	1	1
Soc of Eng and Mineral Exploration	0	1	1
Society for Industrial Microbiology	1	0	1
Society of Environmental Toxicology and Chemistry	0	1	1

Publisher	Helpful	Published	Total
Variant of Journal of Chromatography	1	0	1
VSP	0	1	1
Water Environmental Federation	0	1	1
Yale University Kline Geology Laboratory	0	1	1

Attachment 8

Section 1. "Yes" Comments

- Provided it does not jeopardize publication in a peer-reviewed journal.
Category # 1
- Depends on content.
Category # 4
- But only if the paper has been accepted in a peer-reviewed journal and that journal permits preprints to be placed on the web in other sites.
Category # 1
- Not on original email listing.
Category # Not Applicable
- If it is painless.
Category # 3
- I would be willing, but I am not sure it will be useful. Our work has been on low dose health effects - solvents and radiation - We have had a successful run at the trichloroethylene standard, but I do not get the impression that the technologists involved in the EMSP program are interested.
Category # 4
- Would be willing to participate in a EMS PPS after article is accepted for publication.
Category # 1
- Providing that publication on the preprint server does not contravene intellectual property issues such as patent and licensing disclosures or engender competition for work being done by our graduate students and postdoctoral researchers.
Category # 2
- Note: All reports and manuscripts developed by Lawrence Livermore National Laboratory authors must be submitted to our Technical Information Department (T.I.D.) for review and release before being submitted to any journal or any scientific conference. The Technical Information Department also then makes all these publications available on the world-wide web on their T.I.D. server at the URL <http://library.llnl.gov/BASIS/opac/pcat/SF> and some are also available on the DOE Information Bridge. The best use of resources would be for the Environmental Management Science preprint server to be coordinated with this LLNL T.I.D. web page so that LLNL authors will not have to provide already-available electronic documents in some other format (not a good use of the scientists' time or research budget) for the new server.
Category # 7

Section 2. "No" Comments

- The reason being that the leading journals will not even consider publishing work that has been previously released in widely distributed media such as the internet. I _would_ consider participating in a _reprint_ server.
Category # 1 and 7
- The Amer Soc of Microbiol, which has the highest impact rating in our field, has made it quite clear that release on internet is prior publication and therefore not eligible to published in their journals. Of course we cannot have a successful publication record with no results in peer reviewed journals. Scientists don't want to get caught in battles between two competing businesses. Some may not even be aware that if they answer yes to you, what they are giving up. You probably need to tell them that they are giving up the right to publish if they release the preprint to you.
Category # 1
- Possibility of interference with copyright transfer to refereed journals. Preprints of other communications (i.e. meeting proceedings; abstracts) seems more appropriate.
Category #s 1, 2 and 7
- Not with my current level of understanding. I am concerned about the ability to protect and publish the material provided.
Category # 1 and 8
- I would if I had to, but I don't believe in this mode of publication at this time.
Category # 5
- First, I would like to express my concerns about creating such a preprint database. Historically, scientists exchanged preprints with close collaborators or friends working in the same field; correspondingly the preprints were considered as private, personal communications. Any reference to those could only be done upon authors permission. It appears to me that creating a public domain preprint database would undermine the well established and important peer-review institution. I am afraid that such databases may (and, I am sure, will) become homes for poor research papers that were rejected by peer-reviews and speculative unsubstantiated papers, particularly in very competitive areas. As public domain information, these papers could be cited, thus becoming legitimate contributions. In my strong opinion, these risks outweigh the obvious benefits. Now, I proceed with the questionnaire.
Category # 5
- I'd prefer not to. It only takes about 5 months for my papers to come out anyway. I am not sure it is fair to the journals to scoop them on distribution to the whole world for free.
Category # 1 and 3
- I am very much against putting information out prior to peer review; particularly information that deals with risks to the public (as my research might). I am aware of examples in which the authors had to retract information already made public following peer review. Such retractions degrade the quality of science and cause the public to distrust scientific results. Because risk analyses are the mechanism by which science can enter the decision making process, we must be careful not to

degrade the process by circumventing peer review (even for a short while). I would be very willing to subscribe to the Preprint Server once the manuscript has passed peer review but before the article appears in print (which could easily take an additional year).

Category # 5

- I do not wish to participate in a preprint server. Since the information will not have been subjected to external review there is no way to judge its validity.

Category # 5

- Not enough information provided regarding things like intellectual property rights. Validity and accuracy of information presented cannot be assessed like the peer-review process.

Category # 2, 5 and 8

- Depends on the definition of preprint. Yes, if the definition is after acceptance but before publication. Some journals/organizations consider a preprint service as prior publication.

Category # 1

- Note: My only reservation is due to potential conflicts upon releasing information prior to full peer-review.

Category # 5

- Here's my reasoning for #4. Preprints have not been peer reviewed, which is one of the most essential parts to disseminating information - it must be checked by other experts. Preprint information is, in my opinion, useless until it has been reviewed. It also represents a breach of contract with the publishing journal who has the exclusive rights to publish the work when you submit it. In fact, I do not subscribe to these services because I feel that it is a breach of that contract that an author makes with the Journal. Finally, if there are patent issues that are being pursued between a PI and a collaborative company, the company would feel that any pre-announced information could jeopardize the exclusive rights on the invention, for example. The EMSP program was put in place to not only solve fundamental science problems but to nurture relationships with industry. I can't imagine that industry would support this idea without reservations. On the whole, I am opposed to the idea of a preprint server. I would not oppose a "reprint" server that holds PDF files from the authors of the articles, but even then, the ACS has very strong feelings about how many e-copies of PDF files you can distribute. Better look into the legal issues behind doing this before we go too far.

Category # 1, 2, 5 and 7

- You should focus on the development of a REPRINT server, whereby a listing of articles (and bibliographic info) published under EMSP auspices (or the articles themselves) could be accessed by interested persons. I see no need for dissemination of results prior to their publication given the ever-shorter time between submission of an article to most major journals and its publication.

Category # 3 and 7

- I would prefer not - I would be interested in posting accepted or published abstracts - if this would not be interpreted as prior publication by the major journals.
Category # 1
- At present editors would refuse manuscripts.
Category # 1
- Would not be willing to participate in EMS PPS, however if he were certain that any priority concerns of the journals to which he would submit the manuscript are satisfied, he would be willing to provide a preprint to the server.
Category # 1

Section 3. "Maybe" Comments

- I work for the Water Center at Tennessee Tech.
<http://www.tntech.edu/www/acad/wrc/index.html> We are currently trying to establish the posting of short research reports on our web site, but that hasn't yet been accomplished. Also, I'm an officer of the American Chemical Society (ACS) Division of Environmental Chemistry, and I maintain the Division's programming web pages at <http://gemini.tntech.edu/mjw5030/acspage.html> Shortly before each national meeting in the spring and fall, I post the Environmental Division's "short" abstracts to this web site. We use an HTML index and the abstracts themselves are in *.pdf format. Right now, we're in between those postings so there aren't any short abstracts posted. Within the next two months we should have the abstracts posted for the fall meeting. The Environmental Division also publishes preprints of papers or "extended abstracts" in both hard copy and CD-ROM formats. One concern about publishing preprints on the web is that some journals may consider this a "publication" that could, in the future, render the results ineligible for publication because they have already been published to the web. You might contact the publications division of the ACS at <http://www.acs.org> to discuss with them their thoughts about "publishing" to the web and the subsequent eligibility of publishing this information in ACS journals.
Category # 1
- I'm not sure I know what a server is or does.
Category # 8
- Probably, but I think the preprints would have to clear our internal review at NIST before being submitted.
Category # 5
- Depends on how comprehensive it is and whether there is likely to have nearly 100% participation. Otherwise, probably not. I suspect many researchers will not have the time to contribute or that journals might prohibit preprints.
Category # 1 and 3
- I cannot answer this in the affirmative. Although I am willing in principle there are unfortunately copyright restrictions from doing this sort of thing. That is, the information is copyrighted by the journals. They would probably be angry with the USDOE if publication in their journal was pre-released by your server.

Category # 1 and 2

- Maybe. It depends on whether there would be a copyright problem with the journal involved, the amount of work required of us (we do not necessarily have electronic copies of figures for example), etc.
Category # 2 and 3
- Willing to provide input for an EMS PPS question not completed.
Category # Not Applicable
- Maybe, but the interest in Glass among DOE is probably small and out DOE is apparently coming to a close.
Category # 4
- I'm not sure. It seems that our purposes are well served by internet access to posters from the EMSP program (as is currently the case). Any further access should be through peer review literature.
Category # 5 and 7
- Perhaps. I would need to know more about the server. Would input be mandatory? How often are inputs requested/required? Who owns copyrights? How do you handle referee comments during subsequent publication review cycles. Is pre-publication information held as confidential - if so how; if not, how can pre-publication information be protected? There are other questions, but this is a quick start.
Category # 2, 5, 6 and 8
- Only if it does not cause problems with the journals that I am submitting to.
Category # 1
- This depends on publisher/copyright issues.
Category # 1 and 2
- Depends-I have not thought about it.
Category # 8